interface between the hardware interface port of the portable electronic device and an external memory or processor.

[0044] When used in connection with a portable electronic engine analyzer, the module and analyzer may be used to diagnose problems with vehicle systems such as automotive engines. In a apparatus of this type, the analyzer, or optionally the module, includes several leads or test probes that a mechanic or other technician may attach to various components of a vehicle. The analyzer will use these probes to gather various types of information while the mechanic or technician performs certain actions such as maintaining the engine under load or starting the engine. The results of such tests, and knowledge about the vehicle or engine type, trouble symptoms, allowable limits, and other data, can lead to a diagnosis of a problem. Diagnosis usually points to some corrective action such as the replacement of parts or the performance of system adjustments by the mechanic.

IN THE CLAIMS:

Please replace claim 8 as follows:

8. (Amended) A method of causing an electronic device to function as an oscilloscope, comprising:

connecting an adapter module to a hardware interface port of a portable electronic device having a processor, a display, and a memory;

delivering computer program instructions from the module to a processor for the electronic device;

collecting, using a plurality of leads connected to the electronic device, data representative of and signal from an external source;